

GRAYCARY

4365 Executive Drive, Suite 1100
San Diego, CA 92121-2133
www.graycary.com

O] 858-677-1456
F] 858-677-1465

December 30, 2003

ATTORNEY DOCKET NO.: INTEL1270-1(P12045X)

ATTN: MAIL STOP PATENT APPLICATION

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Transmitted herewith for filing is the new **Utility** patent application of:

**APPLICANTS: ANDREW BERLIN; STEVEN J. KIRCH; GABI NEUBAUER;
VALLURI RAO and MINEO YAMAKAWA**

**TITLE: NUCLEIC ACID SEQUENCING BY RAMAN MONITORING OF
UPTAKE OF NUCLEOTIDES DURING MOLECULAR
REPLICATION**

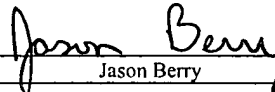
Enclosed are the following papers, including all those required to receive a filing date under 37
CFR § 1.53(b):

Number of Pages

Specification	34
Claims	4
Abstract	1
Declaration	7
Drawing(s) – [formal]	9

"EXPRESS MAIL" Mailing Label Number: EV 318 740 796 US
Date of Deposit: December 30, 2003

I hereby certify under 37 CFR§ 1.10 that this correspondence is being deposited with the United States Postal Service as "**Express Mail Post Office To Addressee**" with sufficient postage on the date indicated above and is addressed to Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.


Jason Berry

GRAY CARY WARE & FREIDENRICH LLP

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Enclosure(s):

- Application Data Sheet (4 pages)
- Check No. 551341 in the amount of \$1,040.00
- Return Receipt Postcard

Applicant(s) claim **LARGE ENTITY** status in the above-identified application.

The filing fee is calculated as follows:

	Number Filed		Number Extra		Rate			Fee	
					Large Entity	Small Entity		Large Entity	Small Entity
Total Claims	35-20	=	15	X	\$18	\$09	=	\$270.00	\$ 0.00
Independent Claims	3 -3	=	0	X	\$86	\$43	=	\$ 0.00	\$ 0.00
Multiple Dependent Claims Presented: ___ Yes <u>X</u> No					\$280	\$140		\$ 0.00	\$ 0.00
					BASIC FEE			\$770.00	\$385.00
					TOTAL FEE			\$1040.00	\$ 0.00

Check No. 551341 is enclosed as payment of the **FILING FEE**. The Commissioner is hereby authorized to apply any other required fees or any credits to Deposit Account No. 50-1355, referencing the attorney docket number shown above. A copy of this Transmittal Sheet is enclosed.

GRAY CARY WARE & FREIDENRICH LLP

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If this application is found to be INCOMPLETE, or if a telephone conference would otherwise be helpful, please call the undersigned at (858) 677-1456.

A duplicate copy of this letter is enclosed. Kindly acknowledge receipt of this application by returning the enclosed postcard.

All future correspondence should be addressed to:

Lisa A. Haile, J.D., Ph.D.
GRAY CARY WARE & FREIDENRICH LLP
4365 Executive Drive, Suite 1100
San Diego, CA 92121-2133
Telephone: (858) 677-1456
Facsimile: (858) 677-1465
USPTO Customer Number 28213

Respectfully submitted,

GRAY CARY WARE & FREIDENRICH LLP



Lisa A. Haile, J.D., Ph.D.
Registration No. 38,347

December 30, 2003

Date

LAH/EJV/kdl
Enclosures